 <p>FORM PTO-449 MAY 24 2004 INFORMATION DISCLOSURE STATEMENT BY APPLICANT (USE SEVERAL SHEETS IF NECESSARY)</p>	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. VAST.002A	APPLICATION NO. 10/783,047
	APPLICANT David L. Hagen et al.			
	FILING DATE January 22, 2004		GROUP 1784	

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
/RB/	1	2,678,531	05/18/54	Miller			
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/RB/	3	2,869,324	01/20/59	Foote			
/RB/	4	3,238,719	03/08/66	Harslem			
/RB/	5	3,651,641	03/28/72	Ginter			
/RB/	6	3,657,879	04/25/72	Ewbank et al.			
/RB/	7	3,696,795	10/10/72	Smith et al.			
/RB/	8	4,128,994	12/12/78	Cheng			
/RB/	9	4,248,039	02/03/81	Cheng			
/RB/	10	4,483,137	11/20/84	Faulkner et al.			
/RB/	11	4,491,093	01/01/85	Hoekstra			
/RB/	12	4,509,324	04/09/85	Urbach et al.			
/RB/	13	4,522,024	06/11/85	Zaugg			
/RB/	14	4,753,068	06/28/88	El-Masri			
/RB/	15	4,841,721	06/27/89	Patton et al.			
/RB/	16	4,928,478	05/29/90	Maslak			
/RB/	17	5,050,375	09/24/91	Dickinson			
/RB/	18	5,175,995	01/05/93	Pak et al.			
/RB/	19	5,271,215	12/21/93	Guillet			
/RB/	20	5,617,716	04/08/97	Schreiber			
/RB/	21	5,627,719	05/06/97	Gaston			
/RB/	22	5,680,764	10/28/97	Viteri			
/RB/	23	5,743,080	04/28/98	Ginter			
/RB/	24	5,771,678	06/30/98	Shouman			
/RB/	25	6,089,024	07/18/00	Hatanaka			
/RB/	26	6,289,666	09/18/01	Ginter			
/RB/	27	6,293,086	09/25/01	Reynolds			

EXAMINER	/Randy Boyer/	DATE CONSIDERED	12/28/07
<p>*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.</p>			

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  <b>INFORMATION DISCLOSURE STATEMENT          BY APPLICANT</b>  (USE SEVERAL SHEETS IF NECESSARY)	ATTY. DOCKET NO. VAST.002A		APPLICATION NO. 10/763,047	
	APPLICANT David L. Hagen et al.			
	FILING DATE January 22, 2004		GROUP 1764	

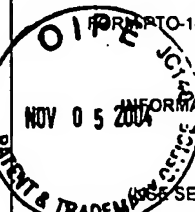
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
/RB/	28	6,370,862	04/16/02	Cheng			
/RB/	29	6,418,724	07/16/02	Cheng			
/RB/	30	6,564,556	05/20/03	Ginter			

FOREIGN PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
/RB/	31	EP 0444013 A1	08/28/91	Europe				
/RB/	32	EP 0505263 A1	09/23/92	Europe				
/RB/	33	WO 0190548 A1	11/29/01	WO				
/RB/	34	IT 1256878	12/27/95	Italy				

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
/RB/	35	Blanco et al., "Water Recovery Systems for Steam Injected Gas Turbines: An Economic Analysis", Proceedings of ECOS 2002, July 3-5, Berlin, Germany.
/RB/	36	Bathie, W., "Fundamentals of Gas Turbines", 1996, p 139.
/RB/	37	Boyce, M., "Handbook for Cogeneration and Combine Cycle Power Plants", 2002, p 62.
/RB/	38	Granovski et al., "Simulation of Temperature Field Redistribution through multistage cooled turbines", Paper 2001-GT-0576, ASME Turbo Expo. 2001 June 4-7, 2001, New Orleans.
/RB/	39	Lefebvre, A., "Gas Turbine Combustion", 1998, section 5-7-3 (pp.150-151); p337 (on CO vs. NOx).
/RB/	40	Malecki et al., "Application of and Advanced CFD-Based Analysis System to the PW600 Combustor to Optimize Exit Temperature Distribution - Part 1: Description and Validation of the Analysis Tool", 2001.
/RB/	41	Pavri et al., "GE Power Systems; Gas Turbine Emissions and Control", 2001, p 18.
	42	SPE "Mashproekt", "Aquarius Cycle", <a href="http://www.mashproekt-nikolaev.ua/common.htm">http://www.mashproekt-nikolaev.ua/common.htm</a>
/RB/	43	Travers, A., "Thermoeconomic Analysis of STIG, RWO and HAT Cycles with Carbon Dioxide (CO2) Emission Penalty", Masters Thesis of Thermochemical Power Group of the University of Genoa Faculty of Engineering, 2000.

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EXAMINER	/Randy Boyer/	DATE CONSIDERED	12/28/07
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 REPORT-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (USE SEVERAL SHEETS IF NECESSARY)	ATTY. DOCKET NO. VAST.002A		APPLICATION NO. 10/763,047	
	APPLICANT David L. Hagen et al.			
	FILING DATE January 22, 2004		GROUP 1764	

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
/RB/	1	4,273,527	06/16/81	Meenan			
/RB/	2	5,690,039	11/25/97	Monro et al.			
/RB/	3	6,158,962	12/12/00	Lee et al.			
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EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
/RB/	5	Agren, N., "Advanced Gas Turbine Cycles with Water-Air Mixtures as Working Fluid", Doctoral Thesis, Department of Chemical Engineering and Technology, Energy Processes, Royal Institute of Technology, Stockholm, 2000.
/RB/	6	Agren et al., "First Experiments on an Evaporative Gas Turbine Pilot Power Plant - Water Circuit Chemistry and Humidification Evaluation", The American Society of Mechanical Engineers, 2000.
/RB/	7	Aagren et al., "New Humidification Concept for Evaporative Gas Turbine Cycles Applied to a Modern Aero-derivative Gas Turbine", Proceedings for the ASME, AES-Vol. 37, 1997.
/RB/	8	Lindquist, T., "Evaluation, Experience and Potential for Gas Turbine Based Cycles with Humidification", Doctoral Thesis, Division of Thermal Power Engineering, Dept. of Heat and Power Engineering, Lund University, Sweden, Sept. 6, 2002, p. 85.

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FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
VAST.002AAPPLICATION NO.  
10/763,047INFORMATION DISCLOSURE STATEMENT  
BY APPLICANTAPPLICANT  
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January 22, 2004GROUP  
1764

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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
/RB/	1	4,341,218	07/27/82	U			
/RB/	2	4,364,392	12/21/82	Strother et al.			
/RB/	3	5,222,970	06/29/93	Reeves			
/RB/	4	5,571,189	11/05/96	Kuslich			

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EXAMINER	/Randy Boyer/	DATE CONSIDERED	12/28/07
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